

AEROAFRICA-EU



AeroAfrica-EU

Promoting European and South African
research cooperation in aeronautics and
air transport

Technical Workshop
ONERA Toulouse Center, France
December 3rd 2010
and
Guided Tour of Airbus A380
Final Assembly Line
Airbus Toulouse
December 2nd 2010



Workshop hosted by

ONERA

THE FRENCH AEROSPACE LAB



WORKSHOP VENUE

ONERA Toulouse Center

2 Avenue Edouard Belin

31400 Toulouse, France

www.onera.fr

HOTEL RECOMMENDATION

Best Western Hotel Les Capitouls***

29, allées Jean-Jaurès

31000 Toulouse, France

Phone +33 5 3441 3121

Fax +33 5 6163 1517

reservation@hotel-capitouls.com

www.hotel-capitouls.com

For directions go to

www.bestwestern-capitouls.com/content/blogcategory/3/11/

[lang,en](#)

"Aerospace Valley" rate incl. breakfast: 125 € per night
(limited number of rooms available).

ORGANIZERS AND CONTACT

Dr. Thilo Schönfeld

Aerospace Valley

International Relations & NCP aeronautics FP7

23 Avenue Edouard Belin

F-31400 Toulouse, France

Phone +33 5 6114 8035

Fax +33 5 6226 4625

Mobile +33 6 8851 0605

schoenfeld@aerospace-valley.com

Dr. Rüdiger Bräuning

Fraunhofer Institute for Chemical Technology ICT

Deputy Director Polymer Engineering

Joseph-von-Fraunhofer-Str. 7

76327 Pfinztal, Germany

Phone +49 721 4640-712

Fax +49 721 4640 800-712

Mobile +49 172 7277008

ruediger.braeuning@ict.fraunhofer.de

REGISTRATION

Registration until 25th November 2010 by E-Mail to ruediger.braeuning@ict.fraunhofer.de with the following data, required by ONERA and Airbus:

- First name, Surname
- Passport/ID number
- Date of issue
- Expiry date
- Country of issue
- Nationality
- Date and place of birth

Please note

- Number of attendees is limited.
- The Workshop language is English.

Deadline for registration

25th November 2010

Please state whether participation in guided tour of Airbus A380 Final Assembly Line on December 2nd, 10.00-11.30 is wished or not (number of attendees is limited).

INTRODUCTION

The European Union (EU) and South Africa (SA) recognise the importance of the aeronautics sector as a driver of innovation and competitiveness across industry. The AeroAfrica-EU consortium seeks to optimise its resources, partnerships and networks so as to promote active research and development cooperation between the EU and SA in aeronautics and air transport, whilst exploring the potential for participation of other African organisations. In this way, the consortium hopes to contribute to solving global aeronautics challenges.

AEROAFRICA-EU OBJECTIVES

The main objectives of the project are to:

- Increase African participation in the aeronautics and air transport activities of the EU's 7th Framework Programme (FP7)
- Raise awareness in Europe of African, and particularly South African, aeronautics R&D expertise
- Develop networks and partnerships between Africa and Europe in the aeronautics R&D community
- Enhance cooperative relationships through the joint identification of needs and priorities.
- Initiate R&D policy dialogue in aeronautics between Europe and Africa to support growth and development.

Kindly refer to www.aeroafrica-eu.org for further background on AeroAfrica-EU and its activities. Part of these activities addresses the coordination of focused workshops in various countries to create opportunities for (South) African – European Union organisations to develop and submit proposals for the EU FP 7 call for projects. The workshop has been scheduled as detailed below for this purpose.

OBJECTIVE OF THE WORKSHOP

AeroAfrica-EU is organising a workshop/roundtable meeting at ONERA Toulouse Center on Friday the 3rd December 2010, to bring together key stakeholders involved in aerospace R&D. The aim is to identify areas of mutual priority and technological interest and to discuss mechanisms to best facilitate African-EU collaboration in the future

The workshop is intended to identify areas/proposals in Transport (including Aeronautics) focusing on research topics in aeronautics and air transport for mutual collaboration – not only necessarily the current call but future FP7 calls, and even looking forward to FP8, as well as potential bilateral cooperation initiatives that could springboard into FP involvement.

The genuine interest in collaboration and the similarities between South African technology strengths and priorities, and France being host to the International Business Convention for the Aerospace Industry Aéromart Toulouse 2010 (November 30th – December 2nd, 2010), it seems timely to bring together a key group of stakeholders from South Africa and the EU to consider how to take past discussions forward and turn them into positive actions.

PROGRAMME
03.12.2010
ONERA TOULOUSE CENTER

- 8.15 a.m. **Welcome Coffee**
- 8.30 a.m. **Official Opening and Welcome
by ONERA**
Jean-Pierre Jung
Directeur du Centre Onera
Midi-Pyrénées, F
- 8.40 a.m. **Introduction to AeroAfrica-EU Project**
Philip Haupt
University of the Witwatersrand, School
for Mechanical, Industrial & Aeronautical
Engineering, SA
- 8.55 a.m. **European Aeronautics and
Air Transport Research in the
7th Framework Programme**
Pablo Perez-Illana
European Commission, DG Research
Unit H3 Aeronautics
- 9.10 a.m. **Introduction of the 2 Scientific Themes**
Chairman SA Beeuwen Gerrys
Assistant National Contact Point
Aeronautics, SA
Chairman EU Prof. Arthur Rizzi
KTH The Royal Inst of Technology,
Aeronautical and Vehicle Engineering, SE

9.20 a.m. –
10.45 a.m.

SESSION 1:
AIRCRAFT DESIGN & TOOLS

**Towards Novel Configurations:
Aerodynamic Design and Analysis
Tool Development at the CSIR**

Dr. Bennie Broughton
The Council for Scientific and Industrial
Research (CSIR), SA

**New Challenges and Opportunities
in Greening Aircraft: From Fluttering
Wings to Morphing Flight**

Prof. Afzal Suleman
Institute of Mechanical Engineering,
Instituto Superior Técnico IDMEC/IST, PT

**Multidisciplinary Design Optimization
and Aeroelasticity: A Review and New
Perspectives**

Johannes Schweiger
Technology and Innovation Management,
Cassidian Air Systems, D

10.45 a.m.

Coffee break

11.05 a.m. –
12.30 p.m.

**SESSION 2:
AERO-STRUCTURES &
PRODUCTION**

SSM – Semi Solid Metal Forming

Pierre Rossouw

The Council for Scientific and Industrial
Research (CSIR), SA

**Natural Fibre Reinforced Composites
for Interior of Aircrafts**

Dr. Rajesh Anandjiwala

The Council for Scientific and Industrial
Research (CSIR), SA

**Joining and Repair by
Friction Processing**

Prof. Dr. Daniel G Hattingh

Director Technology Station,
Nelson Mandela Metropolitan University
NMMU, SA

12.30 p.m.

Buffet lunch

1.45 p.m.

**Wrap-up of Results and
Outcome of Workshops**

Beeuwen Gerryts, Prof. Arthur Rizzi

2.30 p.m.

**Demonstration of CEASIOM
Design Software Tool**

Computerised Environment for Aircraft
Synthesis and Integrated Optimisation
Methods. www.ceasiom.com

WORKSHOP VENUE

ONERA Toulouse Center
2 Avenue Edouard Belin
31400 Toulouse, France
www.onera.fr

GETTING THERE

From Blagnac Airport

- Public transport Shuttle to town center (every 20').
Subway station "Jean Jaurès" or near railway station "Gare de Matabiau". There see hereunder.
- Rental car or taxi, West then South Ring Roads towards Montpellier. Exit number 20.

From the Railway Station

- Subway A "Marengo-SNCF" to "Jean Jaures", then Subway B to "Faculté de Pharmacie".
Then bus 68 or 51 or 108 up to "CREPS".
- Bus 27 to "Lespinet-Struxiano".
Then bus 68 up to "CREPS".

From Town Center

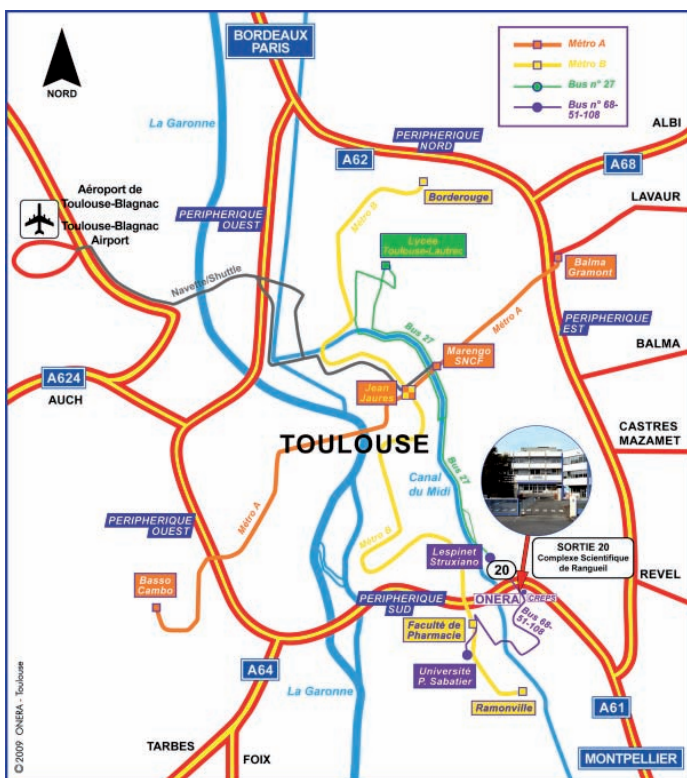
- Subway B to "Faculté de Pharmacie".
Then bus 68 or 51 or 108 up to "CREPS".

By ring roads

- East Ring Road: towards Montpellier, then Toulouse-Center/ Foix-Tarbes. Exit number 20 (see the map hereunder).
- West and South Ring Roads: towards Montpellier. Exit number 20 (see the map hereunder).

By Taxi

- Ask for "Complexe scientifique de Rangueil", and for ONERA.





For Further Information

- Go to the AeroAfrica-EU Website
www.aeroafrica-eu.org
- Register your Organisation
www.aeroafrica-eu.org/form/index.php
- Register for the AeroView Newsletter
www.aeroafrica-eu.org/newsletter/subscribe.php
- Contact the Coordinator Cristina Pinto
coordinator@aeroafrica-eu.org



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